

LIST OF CURRENT CLAIMS

1-9 (Cancelled)

10. (Currently amended) A multifunction car theft alarm lock with tire pressure sensing device used in a transportation vehicle, comprising:

a T-shaped lock unit having a coupling adapted to couple the lock unit to a steering wheel of a transportation vehicle;

a digital electronic lock unit coupled to a operably connected to said coupling to selectively release said coupling from the of the transportation vehicle steering wheel;

a key insertable into the lock unit for releasing the coupling between the lock unit and the steering wheel;

a sensor module with at least one a plurality of sensing function functions, including an infrared sensing function, a horizontal motion sensing function and a vertical motion sensing function, used to detect a static/motion status of the transportation vehicle and to output a signal of detection when the static/motion status of the transportation vehicle has been changed;

at least one tire pressure sensor for detecting a status of the a tire pressure of the transportation vehicle and for transmitting a signal of low pressure if the tire pressure of one tire drops below a predetermined pressure value;

an electronic module including the sensor module installed in the lock unit, for inputting the signal of low pressure and outputting the signal of detection and the signal of low pressure to a far end;

a setting device adapted for inputting receiving the signal of detection/the detection and the signal of low pressure, and the setting device providing a sound and lighting effect

corresponding to each of the signal of ~~detection~~the detection and the signal of low pressure;

a power supply unit for providing a necessary working power to the lock unit and the electronic module;

a standby power set for providing a standby power supply; and

a standby power circuit for providing the standby power supply to the lock unit and the electronic module if the power supply unit fails.

11. (Currently amended) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 10, wherein the ~~lock unit is a~~ digital electronic lock ~~stored with~~ has a digital ID code stored therein, and the key is a digital electronic key ~~stored with~~ having a corresponding ~~digital~~ ID code; and wherein the digital electronic ~~key lock~~ disables the coupling between the lock unit and the steering wheel if the digital ID code and the corresponding ID code match after insertion of the digital electronic key into the lock unit.

12. (Cancelled)

13. (Cancelled)

14. (Currently Amended) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 13, wherein the horizontal motion sensing function and the vertical motion sensing function are provided by two identical electronic sensors; wherein one electronic sensor positioned ~~horizontally~~ vertically provides the vertical motion sensing function to detect a vertical vibration of the transportation vehicle, and

another electronic sensor positioned ~~vertically~~ horizontally provides a horizontal motion sensing function to detect if the door of the transportation vehicle opens.

15. (Currently amended) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim ~~13~~ 10, wherein the ~~sensor module comprises an infrared sensor, the infrared sensor providing an~~ infrared sensing function to ~~detect~~ detects movement of a human body in the transportation vehicle.

16. (Currently amended) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 10, wherein ~~the~~ each at least one tire pressure sensor is coupled to ~~at least one~~ an air nozzle.

17. (Currently amended) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 10, wherein ~~the~~ each at least one tire pressure sensor is coupled to the inside of ~~at least one~~ a tire.

18. (Currently amended) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 10, ~~further comprising at least one transmitter, coupled to the~~ wherein each at least one tire pressure sensor ~~respectively,~~ includes a transmitter for transmitting the signal of low pressure.

19. (Original) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 10, wherein the power supply unit comprises a power detector and a power alarm, and wherein the power detector is used to detect the power level of the power supply unit and to enable the power alarm if a power supply from said power supply unit is below a predetermined value.

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20. (Original) The multifunction car theft alarm lock with tire pressure sensing device as claimed in claim 10, wherein the power supply unit, the electronic module, and the standby power circuit are installed in the lock unit.